

MEARES and CHMURA
Application No.: 09/671,953
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PATENT

If the Examiner believes a telephone conference would expedite prosecution of this application, please telephone the undersigned at 415-576-0200.

Respectfully submitted,


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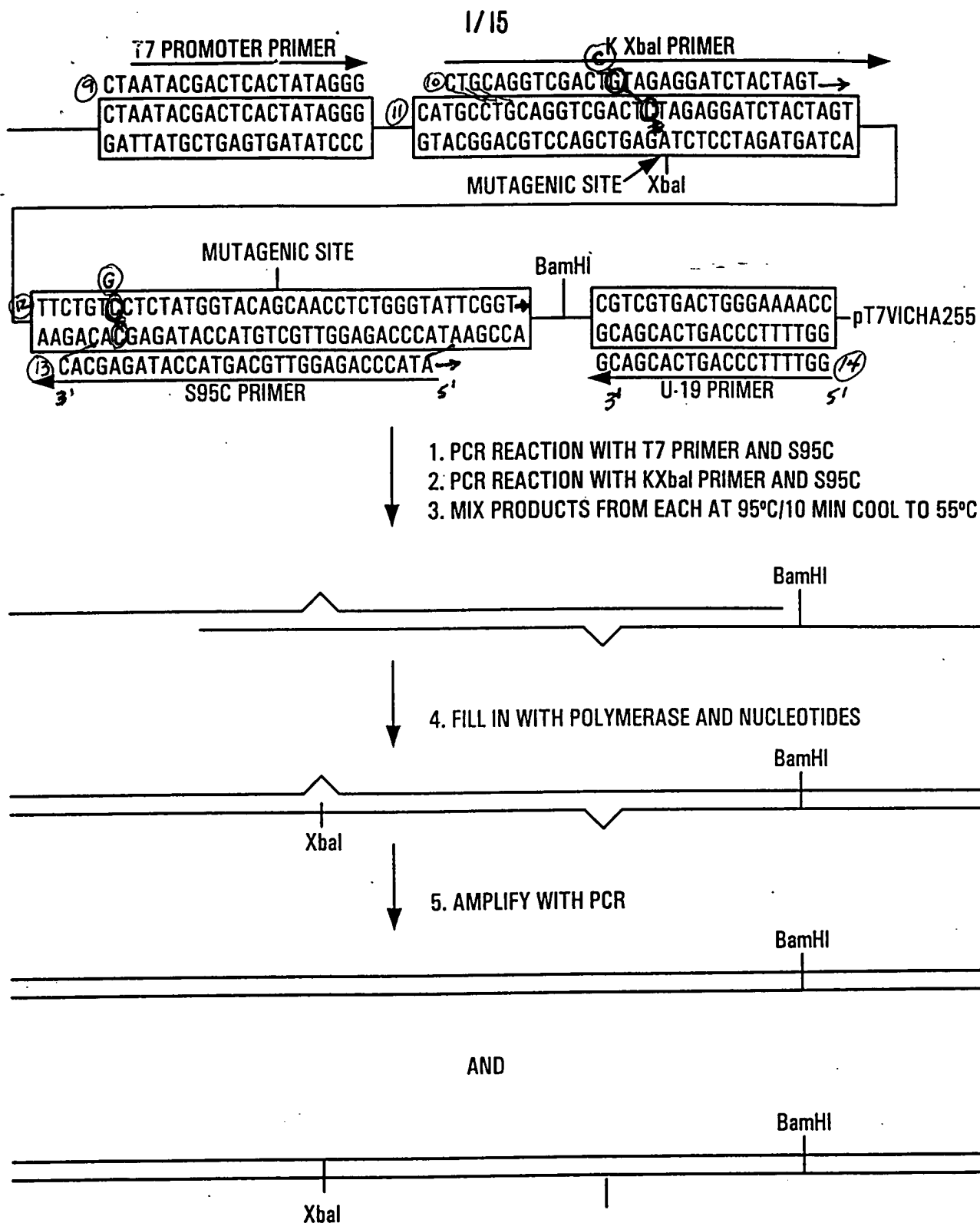


FIG. 1.



XhoI

GGTGCTC

GAG TCT GGG GGA GAC TCA GTG

GAG TCT GGG GGA GAC TCA GTG

AAG CCT GGA GGG TCC CTG AAA CTC

TTC ~~CTC~~

FIG. 2A.



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CTA CAA CTG AAT AGT CTG AGG TCT GAG GAC ACG GCC TTG TAT TTC TGT GCA AGT CAT CGG
GAT GTT GAC TTA TCA GAC TCC AGA CTC CTG TGC CGG AAG ATA AAG ACA CGT TCA GTA G⁶CC
Leu Gln Leu Asn Ser Leu Arg Ser Glu Asp Thr Ala Leu Tyr Phe Cys Ala Ser His Arg

COR3

AGA CGT CGG TTT TGC TG⁶ CCCG⁶GAGG
TCT GCA GCC AAA ACG ACA CCC CCA
GTC CAG CAG TGA TGC TTT TGC TGT ~~GGG GGT~~
ACT GTC CAG TGA Thr Val Thr Leu Val Thr Leu Val Thr Lys Thr Thr Pro Pro
TGG GGC CAC GGG ACT CTG GAC GAC CAG TGA Thr Leu Val Thr Leu Val Thr Lys Thr Thr Pro Pro
CAC TGG GGC CAC GGG ACT CTG GAC GAC CAG TGA Thr Leu Val Thr Leu Val Thr Lys Thr Thr Pro Pro
GTG ACC CCG GTG His Gly Thr Gly Thr Leu Val Thr Leu Val Thr Lys Thr Thr Pro Pro
Gly His Gly Thr Gly Thr Leu Val Thr Leu Val Thr Lys Thr Thr Pro Pro

L-ApaI

CH1

FR4

FIG. 2B.



S/I
-XhoI

~~C~~ G G C
GTCACACGTC

GCT GTT GTG ACT CAG GAA TCT
GCT GTT GTG ACT CAG GAA TCT
CGA CAA CAC TGA GTC CTT AGA
Ala Val Val Thr Gln Glu Ser Ala
FR1

TGT CGC TCA AGT ATT ATT GGG GCT GGT GGT ACA TGT ACA ACT AGT AGT AAC TGG GTC CAA GAA AAA
ACA GCG AGT TCA TAA CCC CGA CAA TGT TGA TCA TTA TCG ATA CGG TTG ACC GTC CAG GTT CTT TTT
Cys Arg Ser Ser Ile Gly Ala Val Thr Thr Thr Ser Asn Tyr Ala Asn Trp Val Gln Glu Lys
FR2

CCA GAT CAT TTA TTC ACT ACT GGT GGT CTA ATA GGT GGT ACC AAT AAC CGG GCT CCG GGT GTT CCT
GGT CTA GTA AAT AAG TGA CCA CCA GAT TAT TAT CCA CCA TTA TTA TCG TTA TCG CGA GGC CCA CAA GGA
Pro Asp His Leu Phe Thr Gly Thr Gly Leu Ile Gly Gly Thr Asn Asn Arg Ala Pro Gly Val Pro
FR3

GCC AGA TTC TCA GGC TCC CTG ATT GGA GAC AAG GCT GCC CTC ACC ATC ACA GGG GCA CAG
CGG TCT AAG AGT CCG AGG GAC TAA CCT CTG TTA CCG GAG TGG TAG TGT CCC CGT GTC
Ala Arg Phe Ser Gly Ser Leu Ile Gly Asp Lys Ala Ala Leu Thr Ile Thr Gly Ala Gln

FIG. 3A.



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ACT GAA GAT GAG GCA AGA TAT TTC TGT GCT CTA TCG TAC TGC AAC CTC TGG GTG TTC GGT
TGA CTT CTA CTC CGT TCT ATA AAG ACA CAG GAT ACC ATG ACG TTG GAG ACC CAC AAG CCA
Thr Glu Asp Glu Ala Arg Tyr Phe Cys Ala Leu Trp Tyr Cys Asn Leu Trp Val Phe Gly

CØR3

FR4

GGA GGA ACC AAA CTG ACT GTC CTA AGC CAG CCC AAG AAG TCT TCG CCA TCA GTC ACC CTG TTT
CCT CCT TGG TTT GAC TGA CAG GAT TCG GTC GGC TTC AGA AGC GGT AGT CAG TGG GAC AAA
Gly Gly Thr Lys Leu Thr Val Leu Ser Gln Pro Lys Ser Ser Pro Ser Val Thr Leu Phe
TTT GAC TGA CAG GAT TCG

CT

BsiWI
BalWI

CGTACGCTC

CCG CCC TCC TCT GAA GAG CTA AGC TTG GGA ATC GGA TTC CCG GG
GGC GGG AGG AGA CTT CTC GAT TCG AAC CCT TAG CCT AAG GGC CC
Pro Pro Ser Ser Glu Glu Leu Ser Leu Gly Ile Gly Phe Pro Gly

FIG. 3B.